

General Specifications S-001 for GSDF Commu-  
nications Equipment Revised as of 1 May 1963,  
19 pp. FOR OFFICIAL USE ONLY

JAPANESE, per, Boei Nippo, 28 May-3 Jun 1963.

500th INTC Gp 2132/63  
Doc No 108919 (1a)

PR - Japan  
MEL  
Sep 63

344,121

On the Modification of Arms in Various Countries,  
Ground Staff Office, 7 pp. FOR OFFICIAL USE  
ONLY  
JAPANESE, per, Boei Nippo, 7-18 Feb 1964,  
Rpt No 1422/64. E222142254  
500th INTC Gp, SIRA  
Doc No 110418

FE - Japan  
WEur - France, Germany  
Mil  
Jul 64

263,397

Effect of Calcium Chloride on Corrosion of  
Steel in Reinforced Concrete, by Miyosh  
Sempachi.

JAPANESE, per, Boshoku Dijutsu (Anti-corrosion  
Technology), Vol 7, 1958, pp 223-228.  
GB/21/LC 1027

Sci -  
Jul 67

334,348

The Effect of Calcium Chloride on Corrosion of  
Steel in Reinforced Concrete, by Sempachi Miyoshi,  
et al.

JAPANESE, per, Boshoku G. Gakkaishi, No 7, 1958,  
pp 223-228.

NL M. 3242

Sci - Chem

Apr 62

189,833

Takeuchi, Koso.

CORROSION INHIBITION BY HEXAMETAPHOSPHATE  
IN THE PRESENCE OF BIVALENT METALLIC IONS.  
26 Apr 61 [6]p.

Order from SLA \$1.10

62-18775

Trans. from Boshoku Gijutsu (Japan) 1959, v. 8, no. 4.

DESCRIPTORS: \*Steel, \*Corrosion inhibition, Sodium  
compounds, \*Phosphates, Ions, Metals, Calcium,  
Zinc, Nickel

When sodium hexametaphosphate and bivalent metallic  
ions in neutral solution were used against the corrosion  
of steel, the minimum corrosion was obtained at the  
ratio of sodium/hexametaphosphate 100 to calcium<sup>++</sup> 50,  
zinc<sup>++</sup> 25 and nickel<sup>++</sup> 60. With 50 ppm, 200 ppm or  
300 ppm sodium hexametaphosphate, the same ratios to  
the metallic ions were maintained. The amount of cor-  
rosive reagent was best at 75 to 100 ppm with surface  
area 0.42 cm<sup>2</sup> coupon. The pH had to be 6 to 9 (neutral)  
(Metallurgy--Corrosion, TT, v. 10, no. 1) (over)

62-18775

1: Takeuchi, K.

Office of Technical Services

Corrosion by Polluted Sea Water and its Prevention  
(Effect on Copper Alloys), by Kyoichi Ikemura,  
17 pp.  
JAPANESE, per, Boshoku Gijutsu, Vol 11, No 6, 1962,  
pp 250-255.  
AEC/ORNL-Tr-2237-69

400,231

Sci/Materials

Study of Caustic Corrosion of Boiler Tube.  
Corrosion of Mild Steel in Potassium, Phosphate  
Solution, by S. Fukui.  
JAPANESE, per, Boshoku Gijutsu, Vol 13, No 4,  
1964, pp 19-23.

NTC-71-11413-11F

NLL Ref: 9022.09 1965 (4018)

Nov 71

Hagiya, Kaoru.  
PHYSIOLOGICAL STUDIES ON STORED TOBACCO  
POLLEN. II. ON THE GERMINATING AND FERTE-  
LIZING POWER, AND ESPECIALLY THE DIFFER-  
ENCE BETWEEN THEM. [1962] 9p.  
Order from K-H \$11.25

K-H 3140-a

Trans. of Bot[anical] Mag[azine] (Japan) 1949, v. 62,  
Jan/Feb, p. 9-13.

DESCRIPTORS: Physiology. \*Tobacco, Storage,  
\*Pollen, \*Fertility, Growth, Reproduction.

(Biological Sciences--Botany, TT, v. 9, no. 1)

62-22432

- I. Hagiya, K.
- II. Title: On ...
- III. K-H-3140-a
- IV. Kresge-Hooker Science  
Library Associates  
Detroit, Mich.

Office of Technical Services

62-22431

Hagiya, Kaoru.  
PHYSIOLOGICAL STUDIES ON STORED TOBACCO  
POLLEN. III. ON SEEDS AND PLANTS IN THE  
NEXT GENERATION. [1962] 10p.  
Order from K-H \$12.50 K-H 3140-b

Trans. of Bot[anical] Mag[azine] (Japan) 1949, v. 62  
[Jan/Feb] p. 49-52.

DESCRIPTORS: Physiology, \*Tobacco, \*Pollen, \*Seeds,  
Storage, Plants, Genetics.

(See also: K-H 3140-a)

(Biological Sciences--Botany, TT, v. 9, no. 1)

- I. Hagiya, K.
- II. Title: On...
- III. K-H-3140-b
- IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

Study of the Active Principles of Leucothoe  
Grayana. Report No 3. The Double Bond in  
Grayanotoxin II, by M. Kakijima, J. Iwase, 11 pp.

JAPANESE, per, Botyu Kagaku, No 13, Sep 1949,  
pp 11-13.

NIH Tr No 2-10

Sci - Chemistry  
Apr 1957 CIB/dex

45,409

63-16794

Nakazima, M., Okubo, T., and Katumura, Y.  
THE ALKALINE DEHYDROCHLORINATION OF THE  
BENZENE HEXACHLORIDE ISOMERS. Rept. 4 of  
Studies on Agricultural Chemicals by the Polarographic  
Method. [1963] 22p. (figs. omitted) 8 refs.  
Order from SLA \$2.60      63-16794

Trans. of Botyu-Kagaku (Japan) 1949, v. 14, p. 10-19.

DESCRIPTORS: \*Benzenes, \*Chlorides, Molecular  
isomerism, \*Hexachlorocyclohexanes, Cyclohexenes,  
Hydrochloric acid, Hydroxides, Polarographic analysts,  
Insecticides.

The dehydrohalogenation of benzene hexachloride  
isomers in an alkaline medium was studied by the  
polarographic method. The intermediate decomposi-  
tion products,  $\gamma$ - and  $\delta$ -pentachlorocyclohexene, were  
isolated and identified. The alkaline dehydrohalogena-  
tion of the related compound,  $\alpha$ -heptachlorocyclo-  
(Chemistry--Organic, TT, v. 10, no. 9)      (over)

- I. Title: Dehydrochlorina-  
tion
- I. Nakazima, M.
- II. Okubo, M.
- III. Katumura, Y.
- IV. Title: Studies....

Office of Technical Services

Nakazima, M., Okubo, T., and Katumura, Y.  
THE ALKALINE DEHYDROCHLORINATION AND THE  
STRUCTURES OF THE BENZENE HEXACHLORIDE  
ISOMERS AND THEIR RELATED COMPOUNDS, II.  
[1963] 13p. 5 refs.

Order from SLA \$1.60

63-14838

Trans. of Botyu-Kagaku (Japan) 1950, v. 15, p. 97-103.

DESCRIPTORS: \*Benzenes, \*Chlorides, \*Molecular  
structure, Molecular isomerism, Hydrogen compounds,  
Reduction (Chemistry).

The paper deals with the alkaline dehydrochlorination of  
the BHC isomers and related compounds. Certain  
correlations between structure and reduction, or  
dehydrochlorination are discussed.

(Chemistry--Organic, TT, v. 10, no. 5)

63-14838

I. Nakazima, M.  
II. Okubo, T.  
III. Katumura, Y.

Office of Technical Services

Influence of the Wave Length of Light on the Synthesis of Hexachlorocyclohexane and the Quantum Yield, by K. Ueda, 12 pp.

JAPANESE, per, <sup>t</sup>Doi Kazuko, Vol. XV, 1950, pp 149-155. C.A., Vol. XLV, 1951, p 1426a.

ATS

Sci

Aug 59

95, 118

TT-63-18951

Kamezaki, T. and Kasabara, M.  
STUDY OF BHC SYNTHESIS. 5. FUNDAMENTAL  
STUDY OF METHODS FOR THE INDUSTRIAL PRO-  
DUCTION OF BHC 4. [1963] [13p]  
Order from SLA \$1.60 TT-63-18951

Trans. of Ryoju Kagaku (Japan) 1950, v. 15, p. 201-206.  
(Abstract available)

DESCRIPTORS: \*Hexachlorocyclohexanes, \*Insecticides  
Industrial production, Radioactivity,

Methods employing fluorescent and neon lamps as the  
sources of actinic rays for preparation of mixed benzene  
hexachlorides were investigated. The yields of the  
mixed chlorides obtained were comparable to those ob-  
tained by the previous methods employing sunlight.  
None of the disadvantages inherent in the latter methods  
were present in the methods employing the artificial  
light sources. The reactivity of chlorine increased with  
(Chemistry--Organic, TT, v. 11, no. 4) (over)

I. Kamezaki, T.  
II. Kasabara, M.  
III. Title: Fundamental...

Office of Technical Services

63-18671

Hamada, Masayuki.

BENZENE HEXACHLORIDE: A FOURTH DIGEST AND  
LIST OF PUBLICATIONS. [1963] [23p] 208 refs  
Order from SLA \$2.60

63-18671

I. Hamada, M.

Trans. of Botyu-Kagaku (Japan) 1952, v. 17, p. 64-[74].

DESCRIPTORS: \*Hexachlorocyclohexanes, \*Insecti-  
cides, \*Benzenes, \*Chlorides, Crystal structure,  
Physical properties, Synthesis (Chemistry), Purifica-  
tion, Quantitative analysis, Bibliographies

(Chemistry--Organic, TT, v. 10, no. 12)

Office of Technical Services

Hamada, Masayuki.  
BENZENE HEXACHLORIDE: A FIFTH DIGEST AND  
LIST OF PUBLICATIONS. [1963] 39p 256refs  
Order from SLA \$3.60      TT-63-20736

Trans. of Botyu-Kagaku (Japan) 1953, v. 18, p. 122ff.

See also TT-63-18671

TT-63-20736

I. Hamada, M.

(Chemistry--Organic, TT, v. 11, no. 11)

Office of Technical Services

Joint Toxic Action of Mixtures of Malathion  
with Dimethoate and Dibrom on Adults of the  
Common House Fly, *Musca Domestica* Vicina, by  
S. Nagasawa, Y. Tsuruoka.

JAPANESE, per, Botyu Kagaku, Vol XXVII, No 3, 1962,  
pp 78-81.

GB/52

Sci-Biol  
July 63

236,310

Summary of Ordnance Materiel by Ground Self-Defense  
Force Ordnance Section, 11 pp.

JAPANESE, rpt, Bakika no Qaibo, 1 Oct 1961,  
pp 5-14; 23.

ACSI I-2971-A-J  
ID 2240820

FE - Japan  
M11  
Aug 63

343,341

Domestic Production of Lubricating Oil for Weapons.

JAPANESE, pamphlet, Rikyo Junbatsuyu no Kokuosanka ni  
Kansuru Kenkyu, 30 Mar 1957, RISI by Technical  
Research Institute, Rpt 608, 240 pp. (EDC 26 Dec 57)

6004th AIBS Tr S-3B-170-2

FE - Japan  
ECOR  
Nov 57

54,964

Items 2 of Equipment for Barracks, by Markas Besar  
Angkatan Darat, 78 pp. UNCL

INDONESIAN, per, Buku Pedoman Pemakaian Alat<sup>2</sup>  
Kesatrian.

ACSI H-7939  
ID 2136097

FE - *Indonesia*  
MIL  
Mar 61

143,724

Serological Studies on Clostridium Botulinum Type E.  
Properties of the Antigens, by T. Ono.  
JAPANESE, per, Bull Hokkaido Hyg Res Inst Rep, No 13,  
1962, p 9  
GB 352/280

Sci -  
Aug 67

336,770

Mechanism of Pumice Formation , by D. Shimozuru.  
JAPANESE, per, Bull Volc Soc Japan s2, No 2, 1957,  
pp 17-25  
NZDSIR/RefNo 772

Sci -  
Aug 67

335,104

General Lyushkov's Escape, by Mitsuo Orishi.  
JAPANESE, per, Bungei Shunju, Vol 28, No 16,  
1 Dec 50  
pp 76-88  
JPRS/DC-12825

USSR  
Bio  
Dec 66

316,262

Bacteriological Warfare Preparations Had  
Already Been Completed Then.

JAPANESE, per, Bungei Shunju, Aug 1955, publ by  
Bungei Shunju Shinsha, pp 250-260.

500th MI Sv Gp  
No 89044

Full translation

FB - Japan  
Military

30,688  
Jan 56 CTS/DEX

(E DO-3721).

The Ten Best Scientists in Japan Today, 14 pp.

JAPANESE, per, Bungei Shunju, Tokyo, Mar 1960,  
pp 158-166.

JPRS 3229

FE - Japan  
Bio  
May 60

116,255

The End of the Invincible Kwantung Army,  
6 pp.

Full translation.

JAPANESE, per, Bungei Shunju, publ by  
Bungei Shunju Sha, Dec 1955.

500th MIG Gp  
Tr 89580

FE - China  
Military

31,372

(TDD 28377)

Our Deceased Teacher and New Science, by. Hekaya  
Urichiro, 21 pp.

JAPANESE, no per, Bungei Shunju, Vol XXXIV, No 1,  
Tokyo, Jan 1956, pp 110-121,

CIA/TDD U-8665

FE - Japan  
Biographic

38,990

Aug 56 CTS/DEX

Magazine Article Criticizing the Self Defense  
Forces, "The Story of the Jieitai, Where Things  
Obtained for Free Turn Out to be Most Expensive",  
9 pp.

JAPANESE, per, ~~Bunsei Shunju~~, May 1956, Encl to  
Rpt R-187-56, Arms Japan. CIA D 537619

ID 201965R

37,421

FR - Japan  
Military - Self Defense Forces

Aug 1956

Mayor of Naha Determined to Fight to the Last,  
by SHINAGA Kamejiro.

JAPANESE, ~~my~~ no per, Bungei Shunju, Mar 57,  
pp 88-93.

500th MI Sv Gp No 93541  
(EDC - 15 Mar 1957)

FE - Japan  
Political

45,443

Red Flags in Kofu Basin, by Kumao Tokubei,

JAPANESE, no per, Bungei Shunju, May 1957,  
pp 212-224.

500th MI Sv Op Tr 94324

FE - Japan  
Pol  
Jun 57

48, 679

Soviet Technology and Japanese Technology, 22 pp.  
UNCLASSIFIED.

JAPANESE, per, Bungei Shunju, Jan 1958.

Ja6004th AISS Tr  
IR 805-58

USSR  
PE - Japan  
Econ

Mar 58

57,303

Air Self Defense Force in the Era of Guided  
MR Missiles, by Minoru Genda, 7 pp.

UNCLASSIFIED

JAPANESE, per, Bungei Shunju, No 10, 1958,  
Encl to HR-453-58, AA, Tokyo.

AF 1203982

FE - Japan

MS1

Nov 58

76,744

(DC-3801)

DIALECTICS OF WAR AND PEACE, BY SAKAKI TOSHIO,  
16 PP.

JAPANESE, PER, BUNKA HYORON, APR 1962,  
PP 16-26.

JPRS 14239

FE - JAPAN  
ECON  
JUN 62

201,280

Interference Phenomena of Silicon and  
Germanium Single Crystal Wafers by  
Infrared Spectrophotometry, by Kenzo Sato,  
JAPANESE, per, Bunko Kenyu, Vol X, No 4,  
1962.

US RSTC SI-5-75-554

Sci-Phys  
Feb 66

294,391

Optical Properties of Glass Surface. Part II.  
Optical Properties of Glass Surface Etched by  
Acids, by Y. Hasegawa.  
JAPANESE, per, Bunko Kenkyu, Vol 11, No 6, 1963,  
pp 245-256.  
NTC-71-12384-11B

Nov 71

Gas Chromatographic Analysis of Hydrogen Sulfide  
in Air and Water Gas, by Tatsfu Kato. 9 pp.  
JAPANESE, per, Bunseki Kogaku,  
Dept of Navy NIC Trans 2788

sci/physics  
mar 69

376,593

Separation of Alkali Metals With Ion-Exchange  
Resins, by H. Okuno,

*Bunseki Kagaku*  
JAPANESE, per, ~~Japan Analyst~~, Vol II, 1953,  
pp 428-432.

ATS JJ-2108

Sci - Chem

May 60

115,400

Determination of a Small Amount of Acetaldehyde  
in Vinyl Acetate, by Y. Arikawa, 6 pp.

JAP, per, Japan Analyst (Bunseki-Kagaku), Vol  
II, 1953, p 436-439.

Asso Tech Svc  
32H12J

\$9.20

Sci

Jul 58

68,593

Ion-Exchange Resins Used in Analytical Chemistry.  
XV. Application of High-Frequency Analysis to Ion-  
Exchange Resins, by Masatake Honda, 8 pp.

*Bunseki Kagaku*  
JAPANESE, per, Japan Analyst, Vol II, 1953, pp 456-  
460.

AEC Tr 2550

Sci - Chemistry  
Jan 57 CTS

42, 213

Chemical Analysis of Beryllium X., by T.  
Akiyama.

*Bunseki Kagaku*  
JAPANESE, per, Japan Analyst, Vol III, No 1,  
1954, pp 53-57.

T.I.L. T.4690

Sci - Chemistry

36,918

Aug 1956

Studies on the Analysis of Calcium Cyanamide.  
Part I. Improvement in the Harger Method for  
the Quantitative Determination of Dicyandia-  
mide. Part II. Rapid Quantitative Determina-  
tion of Glycyndiamide with Guanylurea Nitrate,  
by H. Inaba, ~~15~~ pp.

*15 Bunshi Kagaku*  
JAPANESE, per, Japan Anal, Vol III, 1954,  
pp 107-114.

Assoc Tech Ser 77H11J

Jul 58

69, 916

Studies on the Analysis of Calcium Cyanamide.  
Part III. Rapid Determination of Urea by De-  
composition with Nitric Acid under Pressure,  
by H. Inaba, 5 pp.

*Bunseki Kagaku*  
JAPANESE, per, Japan Anal, Vol III, 1954, pp  
195-196.

Assoc Tech Ser 76HLLJ

Jul 58

69,917

Studies on the Analysis of Calcium Cyanamide.  
Part IV. Quantitative Determination of  
Cyanamide Nitrogen, by H. Inaba, D. Yanagis-  
awa, 8 pp.

*Bunshi Kagaku*  
JAPANESE, PER, Japan Anal, Vol III, 1954,  
pp 196-199.

Assoc Tech Ser 76HLLJ

Jul 58

69, 918

Microanalytical Determination of Thorium, by  
M. Ishibashi, H. Shimomake, 6 pp.

*Bunseki Kagaku*  
JAPANESE, per, Japan Anal, Vol III, No III,  
1954, pp 213-215.

Assoc Tech Ser O8H14J

ATS JJ-2010

Jul 58

ALL REF. 8881.19 (X10)

69,919

Coulometric Microanalysis and Its Application  
to Quantitative Estimation of Chromatography .  
I. Estimation of Copper, by T. Yanada.

JAPANESE, per, *Shunichi Kigaku*  
Japan Analyst, Vol III, 1954,  
pp 215-218.

T.I.L. T.4684

Sci - Chemistry

36,923

Aug 1956

An Electrically Controlled Combustion Apparatus  
for Microanalysis of Carbon and Hydrogen, by  
T. Kono, 12 pp.

JAPANESE, per, *Senaki Kagaku*  
1954, pp 224-228. Japan Analyst, Vol III,

SLA Tr ~~6227~~ 57-714

Sci - Chemistry  
Sep 57

52,992

(FDD 23768)

Japanese Analysis of Nature of Radioactivity of  
Fall-Out Ash From Thermonuclear Reaction Experi-  
ment at Bikini, 82 pp.

JAPANESE, bimo per, Bunseki Kagaku, Vol III, No 4,  
Tokyo, Aug 1954, pp 333-368.

FE - Japan

Sci - Chemistry, analysis, radioactivity

AEC 2104 SH A 1270, 1271  
CIA/FDD T: 374

23,066 CTS 66/Mar 55 SH A 1273  
SH A 1363 SH A 1359

Determination of Microgram Quantities of Thorium (continued), by M. Ishibashi, S. Higashi,

*Bunseki Kagaku*  
JAPANESE, per, Japan Anal, Vol. IV, 1955,  
pp 14-16.

Assoc Tech Ser 489J

ATSSJ-2011

Jul 58

69, 920

Kawamura, Akira, Okamura, Hiroshi, and Kaneko,  
Naonori.  
QUALITATIVE ANALYSIS, PT. 1. Rept. no. 1 on  
Analysis of Chromium Complex Ions by Electrochroma-  
tography. [1961] [23]p. 17 refs.  
Order from SLA \$2.60

61-16767

Trans. of Bunseki Kagaku (Japan) 1955, v. 4 [no. 1]  
p. 158-162.

DESCRIPTORS: \*Complex ions, Chromium, \*Electro-  
chemistry, Chemical analysis.

Electrochromatography was used with the objective of  
mutually separating complex ions of the same metal  
with two or more different electric charges. In this in-  
stance, various chromium oxalate complex compounds  
of known charges were synthesized, and changes and  
shiftings on the filter paper during electric conduction  
were observed. It was found as a result that chromium  
complex ions do not decompose but that both negative  
(over)

61-16767

I. Kawamura, A.  
II. Okamura, H.  
III. Kaneko, N.  
IV. Title: Analysis ...

180498

Office of Technical Services

Kawamura, Akira and Okamura, Hiroshi.  
 QUALITATIVE ANALYSIS, PT. 2. Rept. no. 2 on  
 Analysis of Chromium Complex Ions by Electrochroma-  
 tography. [1961] [17]p. 4 refs.  
 Order from SLA \$1.60

61-16768

Trans. of Bunseki Kagaku (Japan) 1955, v. 4 [no. 2/3]  
 p. 163-166.

DESCRIPTORS: \*Complex ions, Chromium, \*Electro-  
 chromatography, Chemical analysis.

The charge-distribution analysis method for chromium  
 complex ions by electrochromatography, established  
 with chromium oxalate, was seen to be applicable as  
 well to chromium containing  $\text{SO}_4^{2-}$ ,  $\text{SCN}^-$ , and  $\text{NH}_3$  in  
 the nucleus, and to cases where alkali is added or when  
 heated. This method was next applied to chromium  
 perchlorate solutions treated with various types of neu-  
 tral salts and to solutions of a bichromate reduced with  
 (Chemistry--Analytical, TT, v. 6, no. 5) (over)

61-16768

I. Kawamura, A.  
 II. Okamura, H.  
 III. Title: Analysis ...

160499

Office of Technical Services

Kawamura, Akira and Okamura, Hiroshi.  
QUANTITATIVE ANALYSIS. Rept. no. 3 on Analysis of  
Chromium Complex Ions by Electrochromatography.  
[1961] [17]p. 3 refs.  
Order from SLA \$1.60

61-16769

Trans. of Bunseki Kagaku (Japan) 1955, v. 4 [no. 2/3]  
p. 167-171.

DESCRIPTORS: \*Complex ions, Chromium,  
\*Electrochromatography, Quantitative analysis.

(Chemistry--Analytical, TT, v. 6, no. 5)

61-16769

I. Kawamura, A.  
II. Okamura, H.  
III. Title: Analysis ...

180495

Office of Technical Services

Determination of Benzoyl Peroxide in Polymethyl  
Methacrylate, Rept 2. Ultra Violet Absorption  
Spectrometry, by Yuji T kayama, 5 pp.  
JAPANESE, per, Bunseki Kagaku, 1955, Vol 4,  
No 5, pp 290-293.  
SLA TT 64-18128

Jul 66

305,450

Determination of Benzoyl Peroxide in Polymethyl  
Methacrylate, Rept. 3. Colorimetry, by Yuj-i  
Takayama, Kinuko Doi, 6 pp.  
JAPANESE, per, Bunseki Kagaku, Vol 4, No 6, 1955,  
pp 349-353.  
SLA TT 64-18550

Jul 66

305,451

The Separation of Fluoride Ions by Means of Ion  
Exchange Resins, by W. Funasaka, M. Kawane,  
T. Kojima, Y. Matsuda, 9 pp.

JAPANESE, per, Bunseki Kagaku, Vol IV, 1955,  
pp 514-517.

AEC DEX-Inf-Ser-16

ML 113131

150,894

Sci - Phys  
May 61

15 203

US-14

ISHIBASHI M., HIGASHI S.

Determination of microgram quantities of thorium. Part II.

Japan Analyst, 4, No. 1, 14-16 (1955)

JJ 2011. \$ 7.00 - English

E u r a t o m

Photoelectric Determination of Microgram  
Quantities of Vanadium in Brine and Com-  
mon Salt with Diphenylaminesulfonate, by  
S. Hirano, 10pp.

JAPANESE, per, Bunseki Kagaku, Vol. V,  
1956, pp 7-11.

Sci-Chem  
Dec 63

ATS <sup>I</sup><sub>A</sub>J-4093  
CI 37871N  
246, 122

A New Method for Rapid Determination by Spectro-  
graphic Analysis, 12 pp.

JAPANESE , per, Bunseki Kagaku, Vol V, No 4,  
1956, pp 203-205.

SLA 59-19346

Sci

Dec 60

Study of the Separation of Fission Products Preparation  
of Radioactive Cesium Without Entraining Agent, by  
T. Siokawa, M. Yagi, 5 pp.

JAPANESE, per, Japan Analyst, 1956, 5, 4, pp 220, 221.

*Kansetsu Kogyo*  
FDD/X-3949

Sci  
Dec 59

Study on the Separation of Fission Products by the  
Distillation Method. I. Method for the Distillation of  
Ruthenium, by T. Kambara, 12 pp.

JAPANESE, per, Bunseki Kagaku, Vol V, 1956, pp 222-224.

AEC GSA Tr X69

Reverse Trans Japanese to French  
Feb 59

Determination of Monomer in Polymethyl Methacrylate,  
by Y. Takayama.

*Gunshi Kagaku*  
JAPANESE, Japan Analyst, No 4, 1955, pp 367-372.

ASLIB-GB39

Sci

Aug 59

93, 528

A New Method for Rapid Determination by Spectro-  
graphic Analysis, 12 pp.

JAPANESE , per, Bunseki Kagaku, Vol V, No 4,  
1956, pp 203-205.

SLA 59-19346

Sci

135,619

Dec 60

Rapid Determination of Magnesium in Basic Slags, by  
Wakumatsu.

*Bunshi Kagaku*  
JAPANESE, par, Japan Analyst, Vol V, No 5, 1956,  
pp 264-267.

Co-op Tr Sch Tr 771

Sci - Min/met, Chem  
Feb 58

58,245

Quantitative Spectrographic Determination of  
Elements in Solution, by Yasumitsu Uzunasa,  
Seiichiro Hikime, 9 pp.

RUSSIAN, per, Bunseki Kagaku, Vol V, 1956,  
pp 327-329. 9689087

~~DDC-PSIC-78~~  
DDC PSIC-78

Sci - Chem  
Nov 63

244,025

Takayama, Yuji, Kurata, Chiyo-ko, and Enomoto, Kyoko.  
DETERMINATION OF SMALL AMOUNT OF METHANOL. [1960] [13]p. (4 figs. omitted) 1 ref.  
Order from SLA mi\$2.40, ph\$3.30 61-10502

Trans. of Bunseki Kagaku (Japan) 1956, v. 5, p. 449-452.

A reaction apparatus is described for determining methanol in the water-soluble and water-insoluble test samples of acetone, formalin, chloroform, and methylene chloride, by taking advantage of diazo-coupling. Especially in the case of water-insoluble samples, analysis is possible by the use of a surface-active agent and dioxane.

(Chemistry--Analytical, TT, v. 5, no. 7)

61-10502

- I. Methanol--Determination
- I. Takayama, Y.
- II. Kurata, C.
- III. Enomoto, K.

148,526

Office of Technical Services

Yokosuka.

THE COLORIMETRIC DETERMINATION OF SMALL AMOUNTS OF PHOSPHORUS AND ARSENIC IN COPPER METAL BY FRACTIONAL EXTRACTION METHOD. [1963] 14p. (figs. tables omitted) 7 refs. Order from SLA \$1.60

63-14237

Trans. of Bunseki Kagaku (Japan) 1956, v. 5, no. 7, p. 395-398.

DESCRIPTORS: \*Colorimetric analysis, \*Phosphorus, \*Arsenic, \*Copper, Metals, Distillation, Separation.

(Chemistry--Analytical, TT, v. 10, no. 4)

63-14237

I. Yokosuka

Office of Technical Services

Sakaguchi, T. and Taguchi, K.  
DETERMINATION OF TETRACYCLINE. Pt. 3 of Color-  
imetric Determination of Tetracyclines with the Use of  
Th(IV) Reagent. [1961] 5p.  
Order from ATS \$6.00

ATS-75N56]

Trans. of Bunseki Kagaku (Japan) 1957, v. 6, p.787-790

DESCRIPTORS: \*Tetracyclines, Determination,  
Reagents.

(Chemistry--Organic, TT, v. 7, no. 3)

62-12212

- I. Sakaguchi, T.
- II. Taguchi, K.
- III. Title: Colorimetric ...
- IV. ATS-75N56]
- V. Associated Technical  
Services, Inc.,  
East Orange, N. J.

ATS JJ-4082

Office of Technical Services

Continuous Coulometric Determination of Oxygen in  
a Gas, by Isamu Sakawaki Shinzo Yuki, 13 pp.

JAPANESE, par, Bunseki Kagaku, Vol. VII, 1958,  
pp 33-37.

AEC UCRL-Trans-621(L)

Sci - Chem  
May 61

150,885

Elementary Analysis of Nitrogen by the Strong  
Phosphoric Acid-Potassium Iodate Method and the  
Dumas Method-Some Information Obtained by Use of  
the Mass Spectrometer, by Shigeru Ohashi, Yuji  
Takayama, Sachiko Taki, Hiroshi Toya, 16 pp.

JAPANESE, par, Bunseki Kagaku, Vol VII, 1958,  
pp 205-210.

AEC tr-3848

Sci - Chem  
Jan 60

104,899

Continuous Coulometric Determination of Oxygen in  
Gas, by I. Sakamaki, S. Yuki, B. Kagaku,

*Bunseki Kagaku*  
JAPANESE, per, Japan Analyst, Vol VII, 1959,  
pp 33-37.

\*AEC

Sci - *Chem*  
4 Jan 61  
List 47

Determination of Nitrogen by the Strong  
Phosphoric Acid and the Dumas Method.  
Information Obtained by Mass Spectrometry,  
by Shigeru Ohashi,

*Bunaki Nagaku*  
JAPANESE, per, Japan Analyst, vol VII, 1959,  
pp 205-210.

\*AEC

Chem  
Aug 59

Kanno, S.  
A NEW COLORIMETRIC DETERMINATION OF THE  
SULFATE ION BY MEANS OF BARIUM MOLYBDATE  
AND THIOGLYCOLIC ACID. [1961] 8p.  
Order from ATS \$10.95      ATS-37N51J

Trans. of Bunseki Kagaku (Japan) 1959, v. 8,  
p. 180-185.

DESCRIPTORS: \*Sulfates, Ions, Determination,  
\*Colorimetric analysis, Barium compounds, Molyb-  
dates, Glycolic acids, Thio radicals.

(Chemistry--Analytical, v. 6, no. 3)

61-22616

I. Kanno, S.  
II. ATS-37N51J  
III. Associated Technical  
Services, Inc., East  
Orange, N. J.

ATS JJ-4092

175326

Office of Technical Services

The Determination of Nitrogen in Nitrocellulose by  
a Photometric Method, by Tetsuro Murakami, Eizen  
Ishii, 6 pp.

JAPANESE, par, Bunseki Kagaku, Vol. VIII, 1959,  
pp 257-259.

AEC tr-3886

Sci - Phys  
Jan 60

105,833

Synthesis of a New Complexone, o-Phenylenediamine  
Tetraacetic Acid, by K. Otsu, I. Kato.

JAPANESE, per, Bunseki Kagaku, Vol VIII, 1959,  
pp 259-260.

MLL N. 3238

Sci - Chem

Apr 62

189,788

Change of Anode Potential of a Calomel Electrode in  
Electrolysis, by Hisao Hayakawa, 4 pp.

JAPANESE, per, Bunsenki Kagaku, Vol VIII, 1959,  
pp 456-457.

AEC tr-3897

Sci -  
Feb 60

107, 196

The Structure Determination of Organic Compounds,  
by Sumio Umesawa, 40 pp.

JAPANESE, per, Bunseki Kagaku, Vol VIII, 1959,  
pp 471-484.

AEC tr-3898

Sci  
Feb 60

107196

Endo, Yoshihide and Takagi, Hajime.  
CONTINUOUS DETERMINATION OF Fe (III) AND  
Al (III) IN Cr ORE WITH 8-QUINOL AND CYCLO-  
HEXANEDIAMINETETRAACETIC ACID. [1962] [17]p.  
(foreign text included) 5 refs.  
Order from SLA \$1.60

62-14858

Trans. of Bunseki Kagaku (Japan) 1959, v. 8 [no. 8]  
p. 491-495.

DESCRIPTORS: \*Chromium, \*Ores, \*Iron,  
\*Aluminum, Determination, Quinolinol, Ethylenedini-  
trilo tetracetates, Chemical indicators, Quantitative  
analysis.

Fe (III) and Al (III) from Cr-brick or Cr-ore were  
precipitated with oxine after masking Cr (III),  
Ca (II), Mn (II), and Mg (II) with EDTA. Fe (III) was  
titrated with EDTA using oxine (produced from oxinate  
decomposition) as indicator. After Fe (III) determina-  
tion, Al (III) was titrated with Cy DTA using  
(Chemistry--Analytical, TT, v. 8, no. 9) (over)

62-14858

I. Endo, Y.  
II. Takagi, H.

Office of Technical Services

Chromatography of Dinitrophenols, by Tsuguo  
Kojima, Funasaka Waturu.

*Funasaka Waturu*  
JAPANESE, per, Japan Analyst, Vol IX, No 1,  
1960, pp 33-37. \_\_\_\_\_

\*AEC

Sci - *Phys*

May 60

Rapid Determination of Nitrogen in Nitrocellulose  
and Nitric Acid by Titration With Ferrous Sulphate,  
by Tetsuroxx Murakami, 20 pp.  
JAPANESE, per, Bunseki Kagaku, Vol IX, 1960,  
pp 100-105.  
AEC-UCRL-Tr-1052(L)

Sci-Nucl Sci  
Sep 64

265,864

Chromatography of Dinitrophenols, by Wataru Funusaka,  
Tsuguo Kojima, 11 pp.

JAPANESE, per, Bunseki Kagaku, Vol IX, 1960,  
pp 222-226/

AEC Tr 4038

118,910

Sci - Phys  
Jun 60

Chloranilic Acid and Its Metal Salts as  
Analytical Reagents, by W. C. Broad, K.  
Ueno, A. J. Barnard, 10 pp.

JAPANESE, per, Bunseki Kagaku, Vol IX,  
1960, pp 257-264.

J. T. Baker Chemical  
Co, Phillipsburg, N.J.

Sci  
Vol IV, No 7  
Apr 62

192,615

Motojima, K., Hashitani, H., and Katsuyama, K.  
ESTIMATION OF BERYLLIUM CONTAINED IN MAG-  
NOX. 6p 2 refs MTWL-1119.  
Order from OTS or ETC \$0.85      63-26206

Trans. of Bunseki Kagaku (Japan) 1960, v. 9, no. 7,  
p. 628-629.

DESCRIPTORS: \*Beryllium, Chemical analysis,  
Magnesium alloys, Nuclear reactors.

(Chemistry--Analytical, TT, v. 10, no. 10)

63-26206

I. Motojima, K.  
II. Hashitani, H.  
III. Katsuyama, K.  
IV. MTWL-1119  
V. Stichting Mondriaan To-  
gankalijde Wetenschap-  
pelijke Literatuur

Office of Technical Services

Evolution Rate of Hydrogen Sulfide in Acidic  
Solution of Thioacetamide, by Shigenari Washizuka,  
17 pp.  
JAPANESE, per, Bunseki Kagaku, Vol X, 1961,  
pp 580-584. 9224876  
AEC-SC-T-64-1601

Sci-Mat & Met  
Oct 64

267,863

Precipitation Method of Lead and Cadmium Sulfides  
With Thioacetamide From a Homogeneous Solution,  
by Shigenari Washizuka, 20 pp.  
JAPANESE, per, Bunseki Kagaku, Vol X, 1961,  
pp 585-590. 9224902  
AEC-SC-T-64-1602

Sci-Chem  
Nov 64

268,48722

Fundamental Considerations in the Back Scattering  
of Beta Rays, by H. Mori, S. Taira , 12 pp.

JAPANESE, per, Bunseki Kagaku, Vol X, 1961, pp 1327-1331  
9201230 9202569

AEC KFK-tr-114  
AEC-TR-55-18

Sci - Electro  
Jun 63

220,846

Rapid Determination of Ashin Coal by Beta Ray  
Backscattering, by Hisashi Mori, 7 pp.

JAPANESE, per, Bunseki Kagaku, No 10, 1961,  
pp 1331-1335. 9207263

AEC-Tr-5580

Sci + Phys

May 63

231,946

Chromatography, by Kazuo Satake, Shiro Harasawa,  
31 pp.

JAPANESE, per, Bunseki Kagaku, Vol XI, pp 62-72, 1962.  
9215560

AEC-tr-6002

Sci-Chem  
Nov 63

241,521

Gas Chromatography, by Tsugio Takeuchi,  
Masami Suzuki, et al, 20 pp.

ENGLISH, per, Bunseki Kagaku, Vol XI, 1962,  
pp 75-85.

AEC-tr-5975

Sci-Chem  
Nov 63

241,360

Rapid Spectrophotometric Determination of  
Trace Iron in Boiler Water, by F. Nakashima,  
K. Sakai.  
JAPANESE, per, Bunseki Kagaku, Vol 11, No 1,  
1962, pp 73-77.  
NLL Ref: 9022.09 (4746)

Sci-Phys  
Mar 69

376,821

Electroanalysis. Communication 5, by H. Ogino,  
K. Ebata, et al, 30 pp.

JAPANESE, per, Bunseki Kagaku, ~~Nagata~~, 1962,  
pp 21R-36R. Vol XI,

AEC-tr-5880

Sci-Elec

Sep 63

345, 231

Determination of Zinc in Steel cast iron, by T. Okubo,  
P. Uehara.  
JAPANESE, per, Japan Analyst, Vol 11, No 7, 1962, pp 2-  
761 *Bunseki Kagaku*  
CRL/T 2124

Sci -  
Sep 67

340,221

Organic Polarography, by M. Suzuki, 37 pp.

JAPANESE, per, Bunseli Kagaku, Vol XI, pp 37-46,  
1962. 9215590

AEC-tr-6011

Sci-Chem  
Nov 63

241,522

Thermal Analysis, by Hiroshi Suga, Shuzo Seki,  
8 pp.

JAPANESE, per, Bunseki Kagaku, Vol XI, 1962,  
pp 47R-SOR. 9213897

ABC-tr-5929

Sci-Phys

Sep 63

345,251

Microscopic Analysis, by Toshio Sudo, 15 pp.  
JAPANESE, par, Bunseki Kagaku, Vol. XI, No 1,  
1962, pp 140-147. 9091760

AEC-Tr-5144

Sci - Chem  
Sep 62

211, 066

Microscopic Analysis. Chiefly Relating to  
Inorganic Substances, by Toshio Sudo, 15 pp.

JAPANESE, per, Bunseki Kagaku, Vol XI, No 1,  
1962, pp 147-149.

AEC-Tr-5194

Sci - Chem  
Sep 62

210, 918